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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/458,917	12/10/1999	MARTIN E. NEWELL	07844-353001	9475

21876 7590 07/13/2004

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MINNEAPOLIS, MN 55402

EXAMINER

SAJOUS, WESNER

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/458,917

Applicant(s)

NEWELL ET AL

Examiner

Wesner Sajous

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17,23 and 24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-17,23 and 24 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Remark

This communication is responsive to the amendment and response filed on April 15, 2004. By this communication, claims 1-17, and 23-24 are presented for examination.

Quayle Action

This application is in condition for allowance except for the following formal matters:

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference characters mentioned in the description:

- reference characters, e.g., **step 50**, as described in the specification at page 4, paragraph 4, **step 52**, as described in paragraph 2, page 6 of the specification, and **step 56**, and **step 58**, as described in paragraph 4, page 6 of the specification, are not shown in figure 17 of the drawing.

* Control points **P_i** , **P_o** , and **P_3** as suggested in the disclosure, at page 5, paragraph 3, is not depicted in the drawing.

- Also, the disclosure, at paragraph 4 of page 5, made reference to **AX (section 1)**, **XY (section 2)** and **YB (section 3)**--none of the disclosure one of which is illustrated at the drawings.

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- Curve **C**, points **C(i/3)**, **C(tdrag)**, and **P(tdrag)** as described in paragraph 5 at page 5 of the disclosure is not in fig. 6.
- Curve **C(i/d)**, as described at page 7, is not shown in fig. 7.
- Figure 8 fails to show **surface S(Udrag, vdrag)**, **Psel**, as suggested at page 7 paragraph 4 of the disclosure.

Handle locations at **S(1/2, 0)**, **S(1/4, 1/2)**, as suggested at pages 9 and 10, are not shown in the drawings.

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "**receiving**" step and the "**determining**" steps of claims 1, 16-17 and claims 23-24 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the

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changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

2. Claims 1-17, and 23-24 are allowed over the prior art because the reference of record fail to teach: in response to a user-specified change in position of any arbitrary target location on a Bezier shape governed by control points, determining new positions for canonical locations of the Bezier shape based on predetermined behaviors of the canonical locations with respect to the user-specified change in position. The positions of the canonical locations along the Bezier shape being predefined to divide the Bezier shape into sections of predetermined proportions such that a particular one of canonical locations at least sometimes has two different predefined behaviors, with respect to the user-specified change in position, when the user-specified arbitrary target location is, respectively, in different sections of the shape, and determining the control points for a new Bezier shape based on the new positions of the canonical locations.

The best prior art of record, the Ahlquist, Jr. reference teaches the user-specified change in position of any target location on a Bezier shape that is governed by control

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points, so as to modify the path of the Bezier shape, and determine new position of canonical location of the shape (see fig. 2, and col. 5, lines 15-65). However, Ahlquist, Jr. fails to teach the underlined claimed features of the invention in the manner recited in the claims.

Conclusion

9. The prior art made of record and pertinent to this application are as recited in the PTO-892 form.

Any response to this action should be mailed to:

Box

Commissioner of Patents and Trademarks
Washington, DC 20231

or faxed to:

(703) 872-9306, (for formal communications; please mark "EXPEDITED
PROCEDURE")

Or:

(703) 308-5359 for informal or draft communications, please label "PROPOSED"

or DRAFT")

Hand-held delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, 6th floor (receptionist).

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Wesner Sajous whose telephone number is (703) 308-

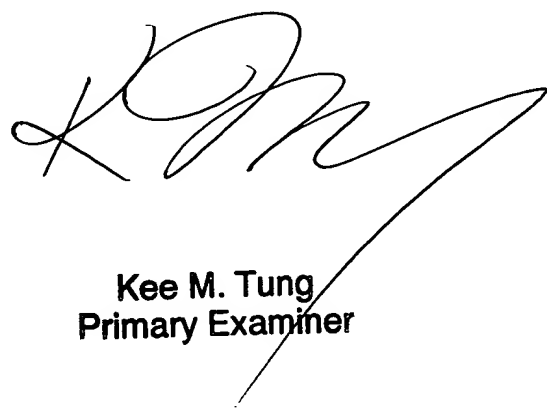
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5857. The examiner can also be reached on Mondays thru Thursdays and on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Matthew Bella, can be reached at (703) 308-6829. The fax phone number for this group is (703) 308-6606.


Wesner Sajous -WS-

July 2, 2004


Kee M. Tung
Primary Examiner